

بنك اسئلة

الصف  
الرابع  
الابتدائي  
٢٠٢٤

# التميز

أ/ محمود سعيد

ELMotamyez Questions Bank

# Science

November Revision

BY

MRS. Amira Ahmed

 cartoon science

نسخة  
مجانية

ملحق الإجابات  
بالداخل



El.Motamyez.School

يمكنكم الحصول على المذكرات والاختبارات من خلال مسح رمز ال QR Code  
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## November Questions Bank



## Question 01

## choose the corret answer

CONCEPT  
1.3

- 1 Light travels in ..... lines in form of waves
  - a straight
  - b curved
  - c zigzag
  - d circular
- 2 Which of the following organs are working together for seeing different objects?
  - a Nose and brain
  - b Eyes and brain.
  - c Ears and brain
  - d Tongue and brain.
- 3 The organ that is responsible for the sense of sight is .....
  - a the ear
  - b the tongue
  - c the nose
  - d the eye
- 4 All the following things are considered as light sources, except .....
  - a the Sun
  - b fire
  - c eyes
  - d the light lamp
- 5 Which of the following is a source of light?
  - a the moon
  - b our eyes
  - c fire
  - d mirror
- 6 All the following considered as a source of light except .....
  - a sun
  - b candle
  - c fire
  - d moon
- 7 ..... eye glows and it can see in the dark.
  - a Human
  - b Penguin
  - c Fishing Cat
  - d Bull shark
- 8 ..... energy affects the sensory receptors in the eye causing vision.
  - a Sound
  - b Kinetic
  - c Light
  - d Magnetic
- 9 Humans have..... eyes than nocturnal animals.
  - a bigger
  - b smaller
  - c stronger
  - d sharper
- 10 From transparent objects.....
  - a metals
  - b lens
  - c mirror
  - d wood
- 11 All of the following are transparent objects, except .....
  - a glass
  - b water
  - c paper
  - d air





- 12 All of the following are forms of codes, except .....
- a thumb up b faces expressions. c writing d swimming
- 13 Sense organs collect information and send signals to ..... for processing and understanding.
- a hands b legs c brain d stomach
- 14 Reading and writing are common types of communication in ..... world.
- a humans b animals c birds d plants
- 15 Raising the thumb up or lowering it down is a type of. ....
- a colors b codes c waves d lights
- 16 Metal and wood are ..... materials.
- a opaque b transparent c liquids d gaseous
- 17 Animals can communicate with each other through.....
- a sound and light b eating c writing d reading
- 18 A firefly is not a bird, but it is a type of. ....
- a amphibians b lizards c beetles d reptiles
- 19 All of these materials are opaque except .....
- a wood b human body c book d water
- 20 It produces chemical reaction inside its body.....
- a butterflies b fireflies c house flies d owl

Question 02

put ( true ) or ( false )

- 1 Light travels in straight lines. ( )
- 2 The ear is the sense organ responsible for seeing objects ( )
- 3 Nocturnal animals have bigger eyes than humans ( )
- 4 The fishing cat can't hunt in the dark ( )
- 5 Both human and animal need light to see. ( )
- 6 Nocturnal animals have eyes larger than human. ( )
- 7 Some animals can see clearly at night, such as a fishing cat ( )






- 8 The human eyes can see in the dark clearly. ( )
- 9 The moon is a source of light ( )
- 10 The light reflection depends on smoothness of the objects' surface ( )
- 11 If I can see my face clearly on a surface, this means that it is a smooth, shiny surface. ( )
- 12 Painted surface reflects light in one direction ( )
- 13 Shadow formed when light hits transparent object ( )
- 14 Wood is a transparent object that allows light to pass through it ( )
- 15 Opaque materials don't allow light to pass through ( )
- 16 Speaking, writing are ways to communicate with people. ( )
- 17 Human use light to communicate such as using traffic light ( )
- 18 Red and green traffic lights are codes ( )
- 19 Speaking is the only way to communicate with people ( )
- 20 Different languages have similar codes ( )

### Question 03

### Complete the following sentences

- 1  The form energy that can be seen is ..... energy.
- 2 Light travels in ..... lines.
- 3 ..... is the organ that we can use to receive light.
- 4 You can see the objects due to the ..... of light rays to the eyes
- 5 ....., ..... and ..... are sources of light
- 6 The mirror-like membrane in fishing cat eyes considered as a ..... adaptation.
- 7 The eye pupil of the owl and fishing cats is ..... than the eye pupil of the human
- 8 Smooth surfaces reflect light in ..... direction.
- 9 Rough materials reflect light ..... than smooth materials
- 10 Fireflies use the sense of ..... to communicate with each other.
- 11 Ears of humans detect ..... energy, while eyes detect ..... energy
- 12 ..... is considered an example for transparent materials.
- 13 ..... is an opaque object.
- 14 Air and water are ..... materials and you can see things through them





Question 04

write scientific term for each of the following

- 1 A device (tool) human use to see in the dark ( )
- 2 Objects that emit their own light ( )
- 3 A type of wild cats, that have eyes glow at nights. ( )
- 4 A body that appears lighted in the sky, but it is not considered as a source of light. ( )
- 5 They are materials reflect the light rays in one direction ( )
- 6 A type of surface that reflects light in different direction. ( )
- 7 The object which allows light to pass through it ( )
- 8 It is a visible form of energy that travels in form of waves ( )
- 9 The sense organ that can detect light energy ( )
- 10 The materials which don't allow light to pass through. ( )
- 11 It is a pattern that has meaning ( )
- 12 It is a code that use symbols in a pattern to give a specific meaning according to the arrangement of letter in a word ( )
- 13 It is a code in form of sounds used to transfer information ( )

Question 05

Give Reason for each of the following

- 1 Fishing cat eyes glow in the dark  
.....
- 2 Nocturnal animals can see better at night.  
.....
- 3 Sun is considered a source of light  
.....
- 4 Moon is not considered as a source of light  
.....
- 5 We can see objects when light fall on it  
.....
- 6 The pupils of the nocturnal animals' eyes open wider than human's eyes  
.....





- 7 A mirror can reflect light better than a painted surface.  
.....
- 8 You can see an object placed behind a glass cup  
.....
- 9 When light fall on mirror it reflects in one direction  
.....
- 10 A shadow is formed when light falls on an opaque object.  
.....
- 11 The human body forms a shadow when light falls on it.  
.....
- 12 Fireflies produce different pattern of flash light  
.....
- 13 Fireflies produce a chemical reaction inside their bodies  
.....
- 14 Humans use reading, writing and speaking  
.....
- 15 The symbols that are used in writing have specific pattern  
.....

Question 06

What happens if ?

- 1 The fishing cat eye don't have mirror-like membrane  
.....
- 2 light fall on a book  
.....
- 3 When the light falls on a smooth and shiny surface as mirror  
.....
- 4 The light falls on a rough surface.  
.....
- 5 Light fall on transparent object as glass window  
.....





- 6 When firefly wants to attract a mate to reproduce?  
.....
- 7 When firefly beetles want to communicate  
.....
- 8 The traffic light becomes red while you are going to cross road  
.....

Question 07

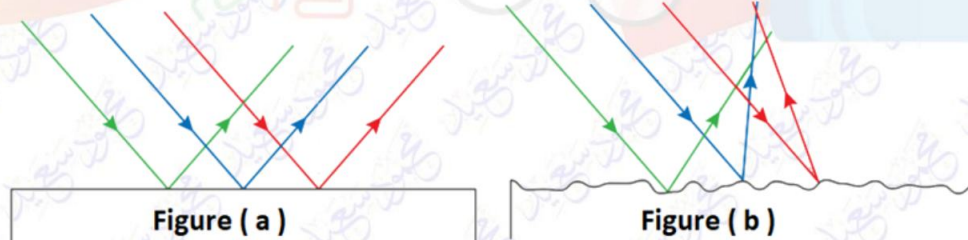
cross the odd word

- 1 Fire - The moon - The Sun - The light bulb
- 2 Wood - Glass cup – Book - Wall
- 3 Lamp – Fire – Moon - Candle
- 4 Bats – fireflies - blind person's cane - dolphins
- 5 reading - writing - echolocation

Question 08

Answer the following questions

- 1 Give one example for:
  - a A transparent material.
  - b An opaque material.
  - c Objects that are considered as sources of light.
- 2 Look at the following figures, then answer the questions below:



- a Which Surface represents reflection of light rays from mirror?
- b Light travel in ..... lines





Question 01

choose the corret answer

CONCEPT  
2.1

- 1 When an object is in motion, this means that its .....changes  
 (a) color (b) shape (c) size (d) position
- 2 When you move something towards you, this represents.....  
 (a) pushing force (b) light energy (c) pulling force (d) sound energy.
- 3 All the following motions occur by the effect of pulling force, except.....  
 (a) kicking a ball (b) opening a closed drawer  
 (c) wearing your socks (d) lifting up a bag from the ground
- 4 When you sit on a chair, the force of gravity is ....and holding you in the chair  
 (a) pulling you upward (b) pulling you downward  
 (c) pushing you upward (d) pushing you downward
- 5 Push or pull actions are considered as types of .....  
 (a) force (b) device (c) energy (d) adaptation
- 6 The force that pulls the objects down toward the center of the earth is ...  
 (a) gravity (b) pushing (c) pulling (d) wind
- 7 You can see the movement of the following objects except the movement of.....  
 (a) flying airplane (b) running horse (c) sea waves (d) the planet Earth
- 8 Objects need a force to move, this force is called.....  
 (a) pushing only (b) pulling only (c) pushing and pulling (d) gravity only
- 9 When a ball stands on the ground without moving, the forces acting on it are.....  
 (a) balanced (b) unbalanced (c) push it up (d) not equal
- 10 Which of the following will cause an object to move?  
 (a) balanced forces (b) unbalanced forces (c) sound energy (d) light energy
- 11 All of the following are examples of motion, except .....  
 (a) a running person (b) Falling ball (c) flying bird. (d) sleeping dog
- 12 When you throw a ball in the air, the gravity will make it move .....upward  
 (a) upward (b) forward (c) downward (d) backward





## Question 02

put ( true ) or ( false )

- ① Pushing force of gravity makes the ball falls down after throwing it in air . ( )
- ② The balanced forces cause the object to move ( )
- ③ Hitting a tennis ball needs a pulling force ( )
- ④ When a pen falls down from your hand, the acting force is the gravity ( )
- ⑤ The stopping object can't move until a force act on it ( )
- ⑥ Gravitational force is an upward pulling force ( )
- ⑦ When the position of the body changes from a fixed point, the body moves ( )
- ⑧ Unbalanced forces cause a change in the object position ( )

## Question 03

complete the following sentences using the word between brackets

(balanced – unbalanced – gravity – motion)

- ① The ..... forces cause the object to move.
- ② ..... is any change in the position of an object relative to a fixed starting point.
- ③ When playing pulling a rope game, if each team pulls the rope with equal force, the forces are .....
- ④ The force that causes falling objects toward the Earth is ..... force.

## Question 04

write scientific term for each of the following

- ① A force that you make to move an object away from you ( )
- ② One of the fastest and most powerful trucks in the world ( )
- ③ It is a push or pull that is applied to an object cause it to change its position. ( )
- ④ The force that pulls objects toward the center of the earth ( )
- ⑤ A change in the position of an object relative to a fixed starting point. ( )

انتهت الأسئلة مع أطيب الامنيات بالنجاح والتوفيق

جميع اسئلة الشيت اسئلة رسمية من امتحانات المحافظات يمكنكم متابعه الحل من خلال قناه كارتون ساينس





بنك اسئلة

الصف  
الرابع  
الابتدائي  
٢٠٢٤

# التميز

أ/ محمود سعيد



Model Answers

# Science

November Revision

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يمكنكم الحصول على المذكرات والاختبارات من خلال مسح رمز ال QR Code  
أو من خلال صفحة "التميز - أ/ محمود سعيد".  
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## November Questions Bank



### Question 01

choose the corret answer

CONCEPT  
1.3

- 1 Light travels in ..... lines in form of waves  
 (a) straight (b) curved (c) zigzag (d) circular
- 2 Which of the following organs are working together for seeing different objects?  
 (a) Nose and brain (b) Eyes and brain (c) Ears and brain (d) Tongue and brain.
- 3 The organ that is responsible for the sense of sight is .....  
 (a) the ear (b) the tongue (c) the nose (d) the eye
- 4 All the following things are considered as light sources, except .....  
 (a) the Sun (b) fire (c) eyes (d) the light lamp
- 5 Which of the following is a source of light?  
 (a) the moon (b) our eyes (c) fire (d) mirror
- 6 All the following considered as a source of light except .....  
 (a) sun (b) candle (c) fire (d) moon
- 7 ..... eye glows and it can see in the dark.  
 (a) Human (b) Penguin (c) Fishing Cat (d) Bull shark
- 8 ..... energy affects the sensory receptors in the eye causing vision.  
 (a) Sound (b) Kinetic (c) Light (d) Magnetic
- 9 Humans have..... eyes than nocturnal animals.  
 (a) bigger (b) smaller (c) stronger (d) sharper
- 10 From transparent objects.....  
 (a) metals (b) lens (c) mirror (d) wood
- 11 All of the following are transparent objects, except .....  
 (a) glass (b) water (c) paper (d) air





All of the following are forms of codes, except .....

- 12 a thumb up b faces expressions c writing d swimming

Sense organs collect information and send signals to ..... for processing and understanding.

- 13 a hands b legs c brain d stomach

14 Reading and writing are common types of communication in ..... world.

- a humans b animals c birds d plants

15 Raising the thumb up or lowering it down is a type of .....

- a colors b codes c waves d lights

16 Metal and wood are ..... materials.

- a opaque b transparent c liquids d gaseous

17 Animals can communicate with each other through.....

- a sound and light b eating c writing d reading

18 A firefly is not a bird, but it is a type of. ....

- a amphibians b lizards c beetles d reptiles

19 All of these materials are opaque except .....

- a wood b human body c book d water

20 It produces chemical reaction inside its body.....

- a butterflies b fireflies c house flies d owl

Question 02

put ( true ) or ( false )

CONCEPT 1.3

- 1 Light travels in straight lines.
- 2 The ear is the sense organ responsible for seeing objects
- 3 Nocturnal animals have bigger eyes than humans
- 4 The fishing cat can't hunt in the dark
- 5 Both human and animal need light to see.
- 6 Nocturnal animals have eyes larger than human.
- 7 Some animals can see clearly at night, such as a fishing cat
- 8 The human eyes can see in the dark clearly.






- |    |   |   |
|----|---|---|
| 9  | The moon is a source of light   | ✗ |
| 10 | The light reflection depends on smoothness of the objects' surface                        | ✓ |
| 11 | If I can see my face clearly on a surface, this means that it is a smooth, shiny surface. | ✓ |
| 12 | Painted surface reflects light in one direction   | ✗ |
| 13 | Shadow formed when light hits transparent object  | ✗ |
| 14 | Wood is a transparent object that allows light to pass through it                         | ✗ |
| 15 | Opaque materials don't allow light to pass through  | ✓ |
| 16 | Speaking, writing are ways to communicate with people.                                    | ✓ |
| 17 | Human use light to communicate such as using traffic light                                | ✓ |
| 18 | Red and green traffic lights are codes  | ✓ |
| 19 | Speaking is the only way to communicate with people                                       | ✗ |
| 20 | Different languages have similar codes  | ✗ |

### Question 03

### Complete the following sentences

- 1  The form energy that can be seen is light energy.
- 2 Light travels in straight lines.
- 3 eye is the organ that we can use to receive light.
- 4 You can see the objects due to the reflection of light rays to the eyes
- 5 sun, candle and fire are sources of light
- 6 The mirror-like membrane in fishing cat eyes considered as a structural adaptation.
- 7 The eye pupil of the owl and fishing cats is wider than the eye pupil of the human
- 8 Smooth surfaces reflect light in one direction.
- 9 Rough materials reflect light less than smooth materials
- 10 Fireflies use the sense of sight to communicate with each other.
- 11 Ears of humans detect sound energy, while eyes detect light energy
- 12 Air is considered an example for transparent materials.
- 13 Wood is an opaque object.
- 14 Air and water are transparent materials and you can see things through them





Question 04

write scientific term for each of the following

- |    |  |                           |
|----|--|---------------------------|
| 1  | A device (tool) human use to see in the dark   | night vision goggles      |
| 2  | Objects that emit their own light  | Sources of light          |
| 3  | A type of wild cats, that have eyes glow at nights.  | Fishing cat               |
| 4  | A body that appears lighted in the sky, but it is not considered as a source of light.                                 | The moon                  |
| 5  | They are materials reflect the light rays in one direction   | smooth and shiny material |
| 6  | A type of surface that reflects light in different direction.  | Rough surface             |
| 7  | The object which allows light to pass through it   | transparent object        |
| 8  | It is a visible form of energy that travels in form of waves   | light                     |
| 9  | The sense organ that can detect light energy   | Eye                       |
| 10 | The materials which don't allow light to pass through.   | Opaque object             |
| 11 | It is a pattern that has meaning   | Code                      |
| 12 | It is a code that use symbols in a pattern to give a specific meaning according to the arrangement of letter in a word | writing                   |
| 13 | It is a code in form of sounds used to transfer information  | language                  |

Question 05

Give Reason for each of the following

- |   |  |
|---|--|
| 1 | Fishing cat eyes glow in the dark<br>because it has a mirror-like membrane at the back of its eyes which reflect light                 |
| 2 | Nocturnal animals can see better at night.<br>Because of mirror-like membrane at the back of their eyes that reflect light falls on it |
| 3 | Sun is considered a source of light<br>Because it emits light  |
| 4 | Moon is not considered as a source of light<br>Because it reflects sun light.  |
| 5 | We can see objects when light fall on it<br>Because of light reflection  |





- 6 The pupils of the nocturnal animals' eyes open wider than human's eyes  
To allow more light to enter their eyes
- 7 A mirror can reflect light better than a painted surface.  
Because the mirror is more smooth than the painted surface
- 8 You can see an object placed behind a glass cup  
Because glass is transparent object allow light to pass through
- 9 When light fall on mirror it reflects in one direction  
Because mirror is a shiny and smooth surface
- 10 A shadow is formed when light falls on an opaque object.  
Because opaque object doesn't allow light to pass through
- 11 The human body forms a shadow when light falls on it.  
Because human body is opaque object don't allow light to pass through it
- 12 Fireflies produce different pattern of flash light  
To warn off from predators or attract a mate (To communicate with each other)
- 13 Fireflies produce a chemical reaction inside their bodies  
To light up and communicate with each other
- 14 Humans use reading, writing and speaking  
To communicate with each other
- 15 The symbols that are used in writing have specific pattern  
To give a specific meaning according to arrangement of letters


Question 06

What happens if ?

- 1 The fishing cat eye don't have mirror-like membrane  
They cannot see clearly at night
- 2 light fall on a book  
Light rays reflect to our eyes so we can see the book
- 3 When the light falls on a smooth and shiny surface as mirror  
Light rays will reflect in one direction.
- 4 The light falls on a rough surface.  
Light rays will reflect in different directions.





- 5 Light fall on transparent object as glass window  
Light will pass through it and I can see objects through it
- 6  When firefly wants to attract a mate to reproduce?  
It produces a chemical reaction inside its body to light up
- 7 When firefly beetles want to communicate  
It produces a chemical reaction inside its body to light up
- 8 The traffic light becomes red while you are going to cross road  
The eyes send a message to brain – brain process information (stop walking)

### Question 07

### cross the odd word

- |   |   |              |
|---|---|--------------|
| 1 | Fire - The moon - The Sun - The light bulb        | The moon     |
| 2 | Wood - Glass cup – Book - Wall                    | Glass cup    |
| 3 | Lamp – Fire – Moon - Candle                       | Moon         |
| 4 | Bats – fireflies - blind person's cane - dolphins | Fireflies    |
| 5 | reading - writing - echolocation                  | echolocation |

### Question 08

### Answer the following questions

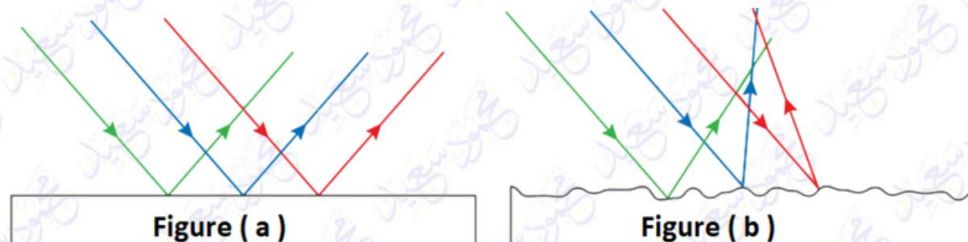
- 1 Give one example for:
  - a A transparent material.
  - b An opaque material.
  - c Objects that are considered as sources of light.

Air

Human body

Sun

- 2 Look at the following figures, then answer the questions below:



- a Which Surface represents reflection of light rays from mirror? **Figure (a)**
- b Light travel in straight lines





Question 01

choose the corret answer

CONCEPT  
2.1

- 1 When an object is in motion, this means that its .....changes  
 (a) color (b) shape (c) size (d) position
- 2 When you move something towards you, this represents.....  
 (a) pushing force (b) light energy (c) pulling force (d) sound energy.
- 3 All the following motions occur by the effect of pulling force, except.....  
 (a) kicking a ball (b) opening a closed drawer  
 (c) wearing your socks (d) lifting up a bag from the ground
- 4 When you sit on a chair, the force of gravity is ....and holding you in the chair  
 (a) pulling you upward (b) pulling you downward  
 (c) pushing you upward (d) pushing you downward
- 5 Push or pull actions are considered as types of .....  
 (a) force (b) device (c) energy (d) adaptation
- 6 The force that pulls the objects down toward the center of the earth is ...  
 (a) gravity (b) pushing (c) pulling (d) wind
- 7 You can see the movement of the following objects except the movement of.....  
 (a) flying airplane (b) running horse (c) sea waves (d) the planet Earth
- 8 Objects need a force to move, this force is called.....  
 (a) pushing only (b) pulling only (c) pushing and pulling (d) gravity only
- 9 When a ball stands on the ground without moving, the forces acting on it are.....  
 (a) balanced (b) unbalanced (c) push it up (d) not equal
- 10 Which of the following will cause an object to move?  
 (a) balanced forces (b) unbalanced forces (c) sound energy (d) light energy
- 11 All of the following are examples of motion, except .....  
 (a) a running person (b) Falling ball (c) flying bird. (d) sleeping dog
- 12 When you throw a ball in the air, the gravity will make it move .....upward  
 (a) upward (b) forward (c) downward (d) backward





## Question 02

put ( true ) or ( false )

- ① Pushing force of gravity makes the ball falls down after throwing it in air. ✗
- ② The balanced forces cause the object to move ✗
- ③ Hitting a tennis ball needs a pulling force ✗
- ④ When a pen falls down from your hand, the acting force is the gravity ✓
- ⑤ The stopping object can't move until a force act on it ✓
- ⑥ Gravitational force is an upward pulling force ✗
- ⑦ When the position of the body changes from a fixed point, the body moves ✓
- ⑧ Unbalanced forces cause a change in the object position ✓

## Question 03

complete the following sentences using the word between brackets

(balanced – unbalanced – gravity – motion)

- ① The **unbalanced** forces cause the object to move.
- ② **Motion** is any change in the position of an object relative to a fixed starting point
- ③ When playing pulling a rope game, if each team pulls the rope with equal force, the forces are **balanced**
- ④ The force that causes falling objects toward the Earth is **gravity** force.

## Question 04

write scientific term for each of the following

- ① A force that you make to move an object away from you **push force**
- ② One of the fastest and most powerful trucks in the world **shockwave trunk**
- ③ It is a push or pull that is applied to an object cause it to change its position **force**
- ④ The force that pulls objects toward the center of the earth **gravity**
- ⑤ A change in the position of an object relative to a fixed starting point **Motion**

انتهت الأسئلة مع أطيب الامنيات بالنجاح والتوفيق

جميع اسئلة الشيت اسئلة رسمية من امتحانات المحافظات يمكنكم متابعه الحل من خلال **قناه كارتون ساينس**